

WHAT IS CLAIMED IS:

1. A walk-in apparatus of a vehicle seat comprising:

a slide rail mechanism including an upper rail which is assembled to a vehicle  
 5 seat side and a lower rail which is engaged slidably with the upper rail and  
 assembled to a vehicle floor side, the slide rail mechanism supporting the  
 vehicle seat for allowing a position of the vehicle seat to be adjusted relative to  
 the vehicle floor in vehicle longitudinal direction;

a lock plate assembled to the upper rail for locking the slide movement of the  
 10 upper rail on the lower rail;

a release lever which is assembled to the upper rail for releasing the locking of  
 the slide movement of the upper rail on the lower rail by the lock plate and  
 adapted to engage with the lock plate;

a supporting lever which is assembled to the upper rail and adapted to engage  
 15 with the release lever;

a reclining plate which rotates in conjunction with a seat back when the seat  
 back is rotated equal to or more than a predetermined angle in forward direction  
 by an actuation of a reclining arm mechanism supporting the seat back of the  
 vehicle seat;

20 a rod connecting the release lever and the reclining plate;

a memory plate which is assembled to the lower rail within a predetermined  
 range in vehicle longitudinal direction;

a first supporting portion provided on the supporting lever which is engaged with  
 the release lever for holding the release lever on a first position of the release

lever where the lock plate unlock the slide movement of the upper rail on the lower rail in conjunction with the release lever when the supporting lever is not within the range of the memory plate; and

a second supporting portion provided on the supporting lever or the upper rail  
5 for holding the release lever at a predetermined second position and waiting the slide movement of the upper rail on the lower rail to be locked by the lock plate when the reclining plate disengage with the seat back, and the first supporting portion of the supporting lever becomes disengaged from the release lever.

10 2. A walk-in apparatus for the vehicle seat according to the claim 1, wherein the rod is connected to both the reclining plate and the release lever and rotatable for restricting the movement in rod longitudinal direction.

15 3. A walk-in apparatus for the vehicle seat according to the claim 1, wherein the release lever is connected to the reclining plate through the rod, and a pivot angle of the reclining plate is set to be smaller than a pivot angle of the release lever.

20 4. A walk-in apparatus for the vehicle seat according to the claim 2, wherein the release lever is connected to the reclining plate through the rod, and a pivot angle of the reclining plate is set to be smaller than a pivot angle of the release lever.